



CAPSULE LABORATORIES

ADVANCED TECHNOLOGY DIVISION

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US EPA RECORDS CENTER REGION 5



514133

February 2, 1983

Mr. Michael W. Kosakowski
Environmental Protection Agency
Office of Solid Waste
401 M Street SW
Washington, DC 20460

Dear Mr. Kosakowski:

Please find enclosed for your information and handling a detailed cost breakdown for the "Pollutant Source Identification Study." The costs have been divided into the following major project cost headings:

- . Field Sample Collection
- . Laboratory Sample Extraction and Workup
- . Gas Chromatography/Mass Spectrometry Analysis
- . Method Detection Limit Study
- . Written Standard Operating Procedures for Field Sampling and Analytical Testing
- . Break Through Experiment
- . Project Management, Progress Reports & Final Report

I have provided as much detailed cost assignment as possible to each major project cost heading. Page six is a summary of the study costs. Also included for your information (see Attachment A) is a forty-eight hour mass spectrometer run sequence. This is provided to illustrate the ratio of quality control runs to sample runs; this ratio is approximately 50/50.

In a recent conversation with Paul Bitter, EPA Region V, he suggested that we address in writing the following:

- . A list of possible organic creosote compounds
- . Capsule's data and other literature source data that demonstrates the resin's adsorptive capacity
- . Description of Capsule's Method Detection Limit Study
- . Health risks associated with creosote compounds

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- . Importance of our study as it relates to identifying pollutants from the Reilly Tar site vs. other anthropogenic sources
- . Why our analytical study is the corner stone for others (Geohydrologists, Toxicologists, etc.) testifying as expert witnesses for the government.

Under separate cover, Capsule Laboratories will address in writing the first three items above, while Amphion Associates will address in writing the last three items.

As I indicated to you by phone, I would be happy to answer any questions and provide any assistance to your contracts group. I would be happy to do this in person; please advise me if you feel this would be helpful.

I look forward to working with you on this important study.

Sincerely yours,

CAPSULE LABORATORIES



Will E. Wood
Manager, Technical
Business Development

WEW:dmh
cc: J.E. Nash/Capsule

TABLE 1.

PRIORITY SAMPLES

Analytical Subsamples Produced by Phase Separation

<u>Location</u>	<u>Sample</u>	<u>Tar</u>	<u>Organic</u>	<u>Aqueous</u>	<u>Particulate</u>	<u>Core/Matix</u>
Prairie du Chien	Well #23	X		X	X	
	Well #15			X	X	
	Control Well			X	X	
Drift	Well #13		X	X		X
	Well # 9 or X			X		X
	Well # 117 or Y			X		X
	Control Well			X		X

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